

OIKE

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/866,135

DATE: 10/24/2001
 TIME: 13:19:18

Input Set : A:\209873US0.txt
 Output Set: N:\CRF3\10242001\I866135.raw

ENTERED

3 <110> APPLICANT: PTITSYN, Leonid R
 4 ALTMAN, Irina B
 5 SMIRNOV, Sergey V
 6 ROSTOVA, Yulia G
 7 YAMPOLSKAYA, Tatyana A
 8 LEONOVA, Tatyana V
 9 GUSYATINER, Mikhail M
 11 <120> TITLE OF INVENTION: NEW MUTANT-ACETYLGLUTAMATE SYNTHASE AND METHOD FOR L-
 ARGININE PRODUCTION
 13 <130> FILE REFERENCE: 209873US0
 C--> 15 <140> CURRENT APPLICATION NUMBER: US/09/866,135
 16 <141> CURRENT FILING DATE: 2001-06-22
 18 <150> PRIOR APPLICATION NUMBER: RUSSIAN FEDERATION 2000116481
 19 <151> PRIOR FILING DATE: 2000-06-28
 21 <150> PRIOR APPLICATION NUMBER: RUSSIAN FEDERATION 2001112869
 22 <151> PRIOR FILING DATE: 2001-05-15
 24 <160> NUMBER OF SEQ ID NOS: 14
 26 <170> SOFTWARE: PatentIn version 3.1
 28 <210> SEQ ID NO: 1
 29 <211> LENGTH: 5
 30 <212> TYPE: PRT
 31 <213> ORGANISM: Artificial Sequence ✓
 33 <220> FEATURE:
 34 <223> OTHER INFORMATION: synthetic peptide ✓
 36 <400> SEQUENCE: 1
 38 Val Val Trp Arg Ala
 39 1 5
 42 <210> SEQ ID NO: 2
 43 <211> LENGTH: 5
 44 <212> TYPE: PRT
 45 <213> ORGANISM: Artificial Sequence ✓
 47 <220> FEATURE:
 48 <223> OTHER INFORMATION: synthetic peptide ✓
 50 <400> SEQUENCE: 2
 52 Leu Phe Gly Leu His
 53 1 5
 56 <210> SEQ ID NO: 3
 57 <211> LENGTH: 5
 58 <212> TYPE: PRT
 59 <213> ORGANISM: Artificial Sequence ✓
 61 <220> FEATURE:
 62 <223> OTHER INFORMATION: synthetic peptide ✓
 64 <400> SEQUENCE: 3
 66 Ser Ala Ala Ser Arg
 67 1 5
 70 <210> SEQ ID NO: 4
 71 <211> LENGTH: 5
 72 <212> TYPE: PRT

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/866,135

DATE: 10/24/2001

TIME: 13:19:18

Input Set : A:\209873US0.txt

Output Set: N:\CRF3\10242001\I866135.raw

```

73 <213> ORGANISM: Artificial Sequence
75 <220> FEATURE:
76 <223> OTHER INFORMATION: synthetic peptide ✓
78 <400> SEQUENCE: 4
80 Gly Trp Pro Cys Val
81 1      5
84 <210> SEQ ID NO: 5
85 <211> LENGTH: 5
86 <212> TYPE: PRT
87 <213> ORGANISM: Artificial Sequence
89 <220> FEATURE:
90 <223> OTHER INFORMATION: synthetic peptide ✓
92 <400> SEQUENCE: 5
94 His Ser Val Pro Cys
95 1      5
98 <210> SEQ ID NO: 6
99 <211> LENGTH: 5
100 <212> TYPE: PRT
101 <213> ORGANISM: Escherichia coli
103 <400> SEQUENCE: 6
105 His Ser Val Pro Tyr
106 1      5
109 <210> SEQ ID NO: 7
110 <211> LENGTH: 15
111 <212> TYPE: DNA
112 <213> ORGANISM: Artificial Sequence
114 <220> FEATURE:
115 <223> OTHER INFORMATION: synthetic DNA ✓
117 <400> SEQUENCE: 7
118 gtagtatggc gggca 15
121 <210> SEQ ID NO: 8
122 <211> LENGTH: 15
123 <212> TYPE: DNA
124 <213> ORGANISM: Artificial Sequence
126 <220> FEATURE:
127 <223> OTHER INFORMATION: synthetic DNA ✓
129 <400> SEQUENCE: 8
130 ttgttcggat tgcac 15
133 <210> SEQ ID NO: 9
134 <211> LENGTH: 15
135 <212> TYPE: DNA
136 <213> ORGANISM: Artificial Sequence
138 <220> FEATURE:
139 <223> OTHER INFORMATION: synthetic DNA ✓
141 <400> SEQUENCE: 9
142 tcggcggcgt ccaga 15
145 <210> SEQ ID NO: 10
146 <211> LENGTH: 15
147 <212> TYPE: DNA

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/866,135

DATE: 10/24/2001

TIME: 13:19:18

Input Set : A:\209873US0.txt

Output Set: N:\CRF3\10242001\I866135.raw

```

148 <213> ORGANISM: Artificial Sequence
150 <220> FEATURE:
151 <223> OTHER INFORMATION: synthetic DNA ✓
153 <400> SEQUENCE: 10
154 ggggtggccat gcgtg 15
157 <210> SEQ ID NO: 11
158 <211> LENGTH: 15
159 <212> TYPE: DNA
160 <213> ORGANISM: Artificial Sequence
162 <220> FEATURE:
163 <223> OTHER INFORMATION: synthetic DNA ✓
165 <400> SEQUENCE: 11
166 cattcgggttc cctgt 15
169 <210> SEQ ID NO: 12
170 <211> LENGTH: 15
171 <212> TYPE: DNA
172 <213> ORGANISM: Escherichia coli
174 <400> SEQUENCE: 12
175 cattcgggttc cctat 15
178 <210> SEQ ID NO: 13
179 <211> LENGTH: 44
180 <212> TYPE: DNA
181 <213> ORGANISM: Artificial Sequence
183 <220> FEATURE:
184 <223> OTHER INFORMATION: synthetic DNA ✓
186 <220> FEATURE:
187 <221> NAME/KEY: misc_feature
188 <222> LOCATION: (14)..(28)
189 <223> OTHER INFORMATION: n is a, t, g, or c
192 <400> SEQUENCE: 13
W--> 193 cgagggttc cgcnnnnnnnn nnnnnnnnat caataccac cggg 44
196 <210> SEQ ID NO: 14
197 <211> LENGTH: 25
198 <212> TYPE: DNA
199 <213> ORGANISM: Artificial Sequence
201 <220> FEATURE:
202 <223> OTHER INFORMATION: synthetic DNA ✓
204 <400> SEQUENCE: 14
205 tgccatggtgta aaggaacgta aaacc 25

```

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/866,135

DATE: 10/24/2001

TIME: 13:19:19

Input Set : A:\209873US0.txt

Output Set: N:\CRF3\10242001\I866135.raw

L:15 M:270 C: Current Application Number differs, Replaced Current Application Number

L:193 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13